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>

To: Nabil Fayoumi, Sandra Bron, Peter Barrett, Clair Morris, Ning Li cc: "Yare,  
Subject: FW: Update

09/29/2003 08:30 AM

Nabil,

Here is a short update of recent activities at Sauget Area 2.

### Soil Stabilization

In conjunction with Inquip and their consultant Muser Rutledge we have determined the best option to stabilize the clamshell crane and the slurry trench on the south side of the site in the area of soft soils. The key part of the solution is to add a minimum of a 2 foot high working platform and raise the slurry level by ~3 feet. This will stabilize the trench. On the inside of the slurry wall (landfill side) wick drains will be installed to a depth of about 35 feet on a 4' x 5' pattern. The wick drains will drain the perched water from the soft soils and provide a firm foundation. The work platform will be constructed beginning next week (September 29) and the wick drains will be installed as soon as the contractor can be mobilized, most likely by October 7.

### Ranney Well

Strata and Layne Drilling drilled and installed three grout pipes in the Ranney well for injection grouting of the abandoned well. Strata used each of the three holes to place grout beginning on September 25. While injecting grout into one pipe the water level in the other two injection pipes was monitored for change. Very little to no change in water level was observed after five truck loads (approximately 810 cubic feet of grout) of grout placement. Strata then placed five additional truckloads of grout. The water level in the other two injection pipes raised approximately 8 feet. Due to the fact that during placement of the last couple of truck loads, the change in water level slowed down considerably. It was agreed to place an additional two truckloads of grout and continue to monitor the water level. Water levels were checked again after the twelfth load of grout was placed. The water level remained the same. Strata, URS, and Solutia discussed the results and observations of the grouting. Strata recommended that the grout pipes be pulled up above the grout a few feet, and let the in-place grout set up over night to plug up any cracks that may be allowing the grout to escape the Ranney Well.

This morning, Friday Strata to place additional truckloads of grout while monitoring water levels in the other two injection pipes. Water levels rose by ~15 feet indicating that the bottom 23 feet of the Ranney well has been grouted.

### Slurry Wall Excavation

INQUIP continued excavation with the Koehring 1266 track hoe from station 27+50 and

proceeding southward to approximately station 24+00. The clamshell rig was set up at approximately station 26+54 and continued excavation of the lead in barrier wall trench slope maintaining an approximate 1:1 slope down to bedrock. Mechanical problems limited production with the clam shell all week. At the end of the day Thursday September 25 the barrier wall trench remains at approximately 80ft. in depth to approximately station 24+60. The trench bottom sloped up to 61ft. at station 24+40 and 32ft at station 24+20 and then 26ft at approximately station 24+00. Replacement parts for the clam shell arrived on Thursday evening and repairs are being made today. The clam shell is scheduled to work through the weekend. The site received approximately 1 inch of rain this morning and work was shutdown at 11 00 am. The final shipment of the second clam shell is due on Monday and is expected to be assembled by Wednesday October 1.

Please call if you have questions.

Gary

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